

# ABSTRACT

A sensor assembly and method for sensing direction of rotation and/or position of an object are provided. The sensor assembly includes a target wheel. A pair of sensing elements may be configured to generate respective signals as the wheel rotates in response to structure on the target wheel. A first circuit may be coupled to receive a signal from at least one of the sensing elements for detecting direction of rotation of the target wheel. A second circuit may be coupled to receive each signal from the sensing elements for detecting position of the target wheel.